

## Title (en)

Collapsin response mediator protein-1 as tumor metastasis marker

## Title (de)

CRMP-1 (Collapsin Response Mediator Protein-1) als Tumormetastase Marker

## Title (fr)

CRMP-1 (Collapsin response mediator protein-1) comme marqueur de la metastase tumorale

## Publication

**EP 1271153 A3 20031210 (EN)**

## Application

**EP 02013927 A 20020624**

## Priority

US 30107501 P 20010626

## Abstract (en)

[origin: EP1271153A2] This invention is based on the discovery of an association of Collapsin Response Mediator Protein-1 (CRMP-1) with tumor metastasis. The level of CRMP-1 protein or mRNA can be used as an indicator of cellular invasiveness and of a test compound's ability to alter cellular invasiveness. The level of CRMP-1 protein can also be altered, e.g., to reduce invasiveness.

## IPC 1-7

**G01N 33/574**; **C12Q 1/68**; **C07K 16/18**; **A61K 48/00**; **G01N 33/50**

## IPC 8 full level

**C12N 15/09** (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 25/28** (2006.01); **A61P 35/00** (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C07K 16/28** (2006.01); **C07K 16/30** (2006.01); **C12N 5/10** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6886** (2018.01); **G01N 33/574** (2006.01)

## CPC (source: EP KR US)

**A61P 25/28** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 35/04** (2017.12 - EP); **C07K 14/47** (2013.01 - EP US); **C07K 16/28** (2013.01 - EP US); **C07K 16/30** (2013.01 - EP US); **C12Q 1/68** (2013.01 - KR); **C12Q 1/6886** (2013.01 - EP US); **G01N 33/57484** (2013.01 - EP US); **C12Q 2600/118** (2013.01 - EP US); **C12Q 2600/158** (2013.01 - EP US)

## Citation (search report)

- [X] WO 9837192 A1 19980827 - INST NAT SANTE RECH MED [FR], et al
- [A] WO 0204514 A2 20020117 - CORIXA CORP [US], et al
- [PX] SHIH JIN-YUAN ET AL: "Collapsin response mediator protein-1 and the invasion and metastasis of cancer cells", JOURNAL OF THE NATIONAL CANCER INSTITUTE (BETHESDA), vol. 93, no. 18, 19 September 2001 (2001-09-19), pages 1392 - 1400, XP009018841, ISSN: 0027-8874
- [PX] STEEG PATRICIA S: "Collapsin response mediator protein-1: A lung cancer invasion suppressor gene with nerve", JOURNAL OF THE NATIONAL CANCER INSTITUTE (BETHESDA), vol. 93, no. 18, 19 September 2001 (2001-09-19), pages 1364 - 1365, XP009018842, ISSN: 0027-8874
- [X] BYK T ET AL: "IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF UNC-33-LIKE PHOSPHOPROTEIN (ULIP), A PUTATIVE MAMMALIAN HOMOLOG OF THE AXONAL GUIDANCE-ASSOCIATED UNC-33 GENE PRODUCT", JOURNAL OF NEUROSCIENCE, NEW YORK, NY, US, vol. 16, no. 2, 15 January 1996 (1996-01-15), pages 688 - 701, XP002045120, ISSN: 0270-6474
- [T] SHIH JIN-YUAN ET AL: "Collapsin response mediator protein-1: A novel invasion-suppressor gene.", CLINICAL AND EXPERIMENTAL METASTASIS, vol. 20, no. 1, 2003, pages 69 - 76, XP009018804, ISSN: 0262-0898
- [A] HAMAJIMA N ET AL: "A novel gene family defined by human dihydropyrimidinase and three related proteins with differential tissue distribution", GENE: AN INTERNATIONAL JOURNAL ON GENES AND GENOMES, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, vol. 180, no. 1-2, 21 November 1996 (1996-11-21), pages 157 - 163, XP004071911, ISSN: 0378-1119
- [A] TORRES R ET AL: "Genomic organization and localization of the human CRMP-1 gene.", DNA RESEARCH: AN INTERNATIONAL JOURNAL FOR RAPID PUBLICATION OF REPORTS ON GENES AND GENOMES. JAPAN 31 DEC 1998, vol. 5, no. 6, 31 December 1998 (1998-12-31), pages 393 - 395, XP009018829, ISSN: 1340-2838
- [A] STRAUSBERG R L ET AL: "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 99, no. 26, 24 December 2002 (2002-12-24), pages 16899 - 16903, XP002245220, ISSN: 0027-8424
- [A] GOSHIMA Y ET AL: "COLLAPSID-INDUCED GROWTH CONE COLLAPSE MEDIATED BY AN INTRACELLULAR PROTEIN RELATED TO UNC-33", NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 376, no. 6540, 10 August 1995 (1995-08-10), pages 509 - 514, XP002069770, ISSN: 0028-0836 & DATABASE SWISSPROT [online] 15 September 2003 (2003-09-15), "Dihydropyrimidinase related protein-1 (DRP-1) (Collapsin response mediator protein-1) (CRMP-1)", XP002257597, retrieved from SWISSPROT Database accession no. Q14194 & DATABASE NCBI [online] 22 April 2003 (2003-04-22), STARUSBERG ET AL: "PRKAA1 protein [Homo sapiens]", XP002245204, retrieved from NCBI Database accession no. AAH48980

## Cited by

US7741464B2; FR2853909A1; EP1862556A1; WO2007141046A3; WO2008000512A3; WO2008118350A1

## Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

## DOCDB simple family (publication)

**EP 1271153 A2 20030102**; **EP 1271153 A3 20031210**; AU 5063602 A 20030102; CA 2391568 A1 20021226; JP 2003135076 A 20030513; KR 20030004065 A 20030114; TW I252314 B 20060401; US 2003077624 A1 20030424; US 7354709 B2 20080408; ZA 200204907 B 20030303

## DOCDB simple family (application)

**EP 02013927 A 20020624**; AU 5063602 A 20020626; CA 2391568 A 20020625; JP 2002186463 A 20020626; KR 20020035967 A 20020626; TW 91113781 A 20020624; US 18019802 A 20020625; ZA 200204907 A 20020619